

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 May 2003 (15.05.2003)

PCT

(10) International Publication Number
WO 03/039443 A2

(51) International Patent Classification⁷: **A61K**
(21) International Application Number: PCT/EP02/12303
(22) International Filing Date:
4 November 2002 (04.11.2002)

[DE/DE]; Am Heidebruch 6, 81377 Munich (DE). **EILS, Roland** [DE/DE]; Strahlenberger Strasse 26, 69198 Schriesheim (DE). **BRORS, Benedikt** [DE/DE]; Im Linsenhühl 42, 69221 Dossenheim (DE). **MERGEN-THALER, Susanne** [DE/DE]; Grubmühlerfeldstr. 19, 82131 Gauting (DE).

(25) Filing Language: English
(26) Publication Language: English

(74) Agent: **VOSSIUS & PARTNER**; Siebertstrasse 4, 81675 Munich (DE).

(30) Priority Data:
01126244.1 5 November 2001 (05.11.2001) EP
02009758.0 30 April 2002 (30.04.2002) EP

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicants (*for all designated States except US*):
DEUTSCHES KREBSFORSCHUNGSZENTRUM [DE/DE]; Im Neuenheimer Feld 280, 69120 Heidelberg (DE). **LUDWIG-MAXIMILIANS -UNIVERSITÄT** [DE/DE]; Geschwister-Scholl-Platz 1, 80539 Munich (DE).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants and
(72) Inventors: **HAERLACH, Torsten** [DE/DE]; Springerstrasse 8, 81477 Munich (DE). **SCHOCH, Claudia** [DE/DE]; Springerstrasse 8, 81477 Munich (DE). **KERN, Wolfgang** [DE/DE]; Hanfelder Strasse 101, 82319 Starnberg (DE).

Published:

— *without international search report and to be republished upon receipt of that report*

(72) Inventors; and
(75) Inventors/Applicants (*for US only*): **KOHLMANN, Alexander** [DE/DE]; Schwarzstrasse 14, 92318 Neumarkt (DE). **SCHNITTGER, Susanne** [DE/DE]; Saalburgstrasse 2a, 81375 Munich (DE). **DUGAS, Martin**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL GENETIC MARKERS FOR LEUKEMIAS

(57) Abstract: The present invention is related to methods for detecting leukemia cells by determining the expression profile of a group of markers. In particular, the type or subtype of leukemia cells in a sample is determined. Further, uses of the group of markers is disclosed and compositions comprising these markers.

WO 03/039443 A2